

## EUROPEAN PATENT OFFICE

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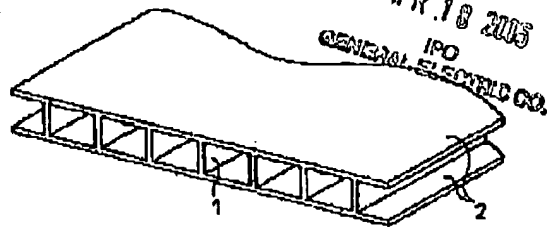
APPLICANT : SUMIKA PLASTECH CO LTD;

INVENTOR : MINABA TAKESHI;

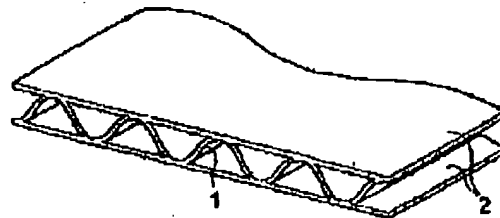
INT.CL. : B32B 3/28 B32B 27/18

TITLE : RESIN-MADE CORRUGATED  
STRUCTURAL BOARD AND  
STRUCTURE USING THE SAME

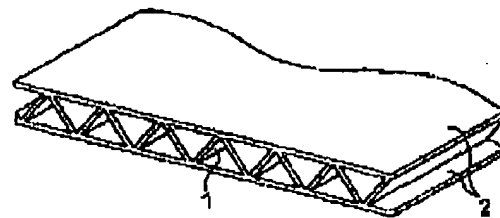
(a)



(b)



(c)



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent an appearance from being marred through the adhesion of black shading and stains by preventing dust, mote or the like from adhering to the surface of a structure due to static electricity.

**SOLUTION:** A resin corrugated structural board is equipped with a plurality of liner board parts 2 arranged parallel to each other and a cushioning body part 1, which partitions a space between the liner board parts 2, 2 adjacent to each other into a plurality of spaces and, at the same time, antistatic agent. Further the value of surface electrical resistivity at the surface of the liner board part 2 measured with a megger is set to be  $10^{14} \Omega$  or less or the charge damping characteristics at the surface of the liner board part 2 measured with a static honostmeter (R) in the half life is set to be 10 sends or less. A structure is produced by employing this resin corrugated structural board.

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XP-092322371

(C) WPI/Derwent

AN - 1995-261495 [34]  
 AP - JP19930316994 19931216  
 CPY - MITK  
 DC - A25 A85 E13 E32 G02 L03 U11 V04 V05 X25  
 DR - 1527-U 1531-U 1701-U 1713-U  
 FS - CPI;EPI  
 IC - C08J7/04 ; C09D5/02 ; C09D175/04 ; C09K3/16  
 MC - A05-G01E1 A07-B04 A08-S04 A12-B01K E07-D03 E35-H G02-A05 G02-A05B  
 G04-B03 L03-C03  
 - U11-C15B U11-D01C3 V04-U V04-X V05-D01B V05-D07C5E X25-S  
 M3 - [01] F011 F012 F423 H2 H211 J5 J521 L9 L941 M210 M211 M273 M281 M320  
 M413 M510 M521 M530 M540 M781 M903 M904 Q130 Q332 Q454 Q603 R023;  
 R05268-U  
 - [02] A350 A940 A980 C108 C500 C730 C801 C802 C804 C807 M411 M781 M903  
 M904 Q130 Q332 Q454 Q603 R023; R20646-U  
 PA - (MITK) MITSUI TOATSU CHEM INC  
 PN - JP7166092 A 19950627 DW199534 C09D5/00 009pp  
 PR - JP19930316994 19931216  
 XA - C1995-119076  
 XIC - C08J-007/04 ; C09D-005/02 ; C09D-175/04 ; C09K-003/16  
 XP - N1995-201186  
 AB - J07166092 Antistatic agent comprises an aq. soln. of ammonium stannate  
 and an aq. polyurethane resin emulsion contg. an isocyanate component  
 comprising alicyclic isocyanate.  
 - Also claimed is an aq. polyurethane resin emulsion contg. 1-40 wt.%  
 N-methyl-2-pyrrolidone.  
 - Also claimed is a thermoplastic resin moulding coated with the  
 antistatic agent.  
 - USE - The antistatic agent is used for giving antistatic performance  
 to plastic materials used for windows of meters, CRT of television  
 sets, windows of clean rooms, packing materials for semiconductor  
 devices, and in applications requiring electromagnetic shielding,  
 transparency, etc.  
 - ADVANTAGE - The antistatic agent produces an antistatic effect to  
 plastic mouldings while maintaining transparency and without depending  
 on humidity.  
 - (Dwg.0/0)  
 CN - R05268-U R20646-U  
 IW - ANTISTATIC AGENT COATING THERMOPLASTIC RESIN MOULD COMPRISE AQUEOUS  
 SOLUTION AMMONIUM STANNATE AQUEOUS POLYURETHANE RESIN EMULSION  
 CONTAIN  
 ALICYCLIC ISOCYANATE  
 IKW - ANTISTATIC AGENT COATING THERMOPLASTIC RESIN MOULD COMPRISE AQUEOUS  
 SOLUTION AMMONIUM STANNATE AQUEOUS POLYURETHANE RESIN EMULSION  
 CONTAIN  
 ALICYCLIC ISOCYANATE  
 NC - 001  
 OPD - 1993-12-16  
 ORD - 1995-06-27  
 PAW - (MITK) MITSUI TOATSU CHEM INC  
 TI - Antistatic agent for coating thermoplastic resin moulding - comprises  
 aq. soln. of ammonium stannate and aq. polyurethane resin emulsion  
 contg. alicyclic isocyanate  
 A01 - [001] 017 ; G2120 G2108 D01 D60 F35 D11 D10 D50 D85 F28 F26 F36 ;  
 R00420 G1070 G0997 D01 D11 D10 D50 D86 F29 F26 ; R01624 G1854 G1843

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## (C) WPI/Derwent

D01 D11 D10 D14 D13 D31 D50 D92 F73 ; P0931-R P1592 P0839 H0260 H0011  
H0044 F41 F77 D01 D63 ; H0033 H0011 ;  
- [002] 017 ; Q9999 Q7114-R ; K9574 K9483 ; ND00 ;  
- [003] 017 ; R00278 D01 D11 D10 D50 D83 F70 ; A999 A475 ;  
- [004] 017 ; D00 F16 H- N- 5A Sn 4A O- 6A ; A999 A602 A566 ; S9999  
S1616 S1605 ; A999 A759 ; L9999 L2700 ; N9999 N6177-R ;  
A02 - [001] 017 ; G1843-R D01 F73 D13-R ; P1592-R F77 D01 ; S9999 S1025  
S1014 ; H0011-R ;  
- [002] 017 ; Q9999 Q7114-R ; K9574 K9483 ; ND00 ;  
- [003] 017 ; R05268 D01 D11 D10 D23 D22 D31 D41 D50 D85 F71 ; A999  
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- [004] 017 ; D00 F16 H- N- 5A Sn 4A O- 6A ; A999 A602 A566 ; S9999  
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A03 - [001] 017 ; H0317 ; S9999 S1434 ;  
- [002] 017 ; K9574 K9483 ; B9999 B3305 B3292 B3190 ; Q9999 Q7512 ;  
Q9999 Q8275 Q8264 ; Q9999 Q6837 Q6826 ; Q9999 Q8366-R ; Q9999 Q7476  
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B4568 ; B9999 B5447 B5414 B5403 B5276 ; B9999 B3270 B3190 ; B9999  
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A04 - [001] 017 ; P0862 P0839 F41 F44 D01 D63 ; S9999 S1581 ;  
- [002] 017 ; B9999 B5243-R B4740 ; B9999 B5389 B5276 ;  
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